



OIEP

RAW SEQUENCE LISTING

DATE: 04/08/2002

PATENT APPLICATION: US/10/002,292A

TIME: 15:15:39

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\04082002\J002292A.raw

ENTERED

3 <110> APPLICANT: Ward, Brian
 4 Snyder, Leanne
 5 Li, Chuan
 6 Song, Keming
 7 Oppen, Kristen
 8 Uder, Stephanie
 9 Hernan, Ron
 11 <120> TITLE OF INVENTION: RECOMBINANT DNA PROCESSES USING A dNTP MIXTURE CONTAINING
 MODIFIED
 12 NUCLEOTIDES
 14 <130> FILE REFERENCE: SGM 6938.1
 16 <140> CURRENT APPLICATION NUMBER: US 10/002,292A
 C--> 17 <141> CURRENT FILING DATE: 2002-03-25
 19 <150> PRIOR APPLICATION NUMBER: US 60/325,612
 20 <151> PRIOR FILING DATE: 2001-09-28
 22 <160> NUMBER OF SEQ ID NOS: 14
 24 <170> SOFTWARE: PatentIn version 3.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 28
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Lambda phage
 31 <220> FEATURE:
 32 <221> NAME/KEY: misc_feature
 33 <222> LOCATION: (1)..(28)
 34 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
 37 <400> SEQUENCE: 1
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 44 <213> ORGANISM: Lambda phage
 46 <220> FEATURE:
 47 <221> NAME/KEY: misc_feature
 48 <222> LOCATION: (1)..(28)
 49 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
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 58 <212> TYPE: DNA
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 61 <220> FEATURE:
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 63 <222> LOCATION: (1)..(35)

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64 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
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72 <211> LENGTH: 35
73 <212> TYPE: DNA
74 <213> ORGANISM: Lambda phage
76 <220> FEATURE:
77 <221> NAME/KEY: misc_feature
78 <222> LOCATION: (1)..(35)
79 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
82 <400> SEQUENCE: 4
83 ggaacgtctag aggttatcga aatcagccac agcgc
86 <210> SEQ ID NO: 5
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89 <213> ORGANISM: Lambda phage
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92 <221> NAME/KEY: misc_feature
93 <222> LOCATION: (1)..(23)
94 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
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101 <210> SEQ ID NO: 6
102 <211> LENGTH: 23
103 <212> TYPE: DNA
104 <213> ORGANISM: Lambda phage
106 <220> FEATURE:
107 <221> NAME/KEY: misc_feature
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109 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
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117 <211> LENGTH: 23
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119 <213> ORGANISM: Lambda phage
121 <220> FEATURE:
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123 <222> LOCATION: (1)..(23)
124 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
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132 <211> LENGTH: 22
133 <212> TYPE: DNA
134 <213> ORGANISM: Lambda phage
136 <220> FEATURE:
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138 <222> LOCATION: (1)..(22)
139 <223> OTHER INFORMATION: Primer for Polymerase Chain Reaction (PCR)
142 <400> SEQUENCE: 8
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152 agcttctcga gatgctgtt ctggaaaacc gggtctctca gggcgatatt actgcacccg 60
153 ggggtgctcg cgttttaacg ggtgatcaga ctgcccctct gcttgattct cttagcgata 120
154 aacctgcaaa aaatattatt ttgctgattg gcgatgggat gggggactcg gaaattactg 180
155 cccacgtaaa ttatgcgaa ggtgcgggag gcttttttaa aggtatagat gccttaccgc 240
156 ttaccgggca atactcac tatgctga ataaaaaac cggcaaacgc gactacgtca 300
157 ccgactcggc tgcactcaga accgcctggt caaccggtgt caaacctat aacggcgcg 360
158 tggcgctcga tttcgcgaa aaagatcacc caacgattct ggaaatggca aaagccgcag 420
159 gtttggcgac cgttaacgtt tctaccgag agttgcagga tgccacgccc gctgcgctgg 480
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161 gtaacgctct ggaaaaag 558
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181 <220> FEATURE:
182 <221> NAME/KEY: BINDING
183 <222> LOCATION: (1)..(8)
184 <223> OTHER INFORMATION: TAG USED TO PURIFY RECOMBINANY PROTEIN
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188 Asp Tyr Lys Asp Asp Asp Asp Lys
189 1 5
193 <210> SEQ ID NO: 11
194 <211> LENGTH: 60
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: forward primer containing T7 promotoe and FLAG octapeptide
desig
200 ned to incorporate these sequences into amplification products
201 <220> FEATURE:
202 <221> NAME/KEY: promoter
203 <222> LOCATION: (1)..(60)
204 <223> OTHER INFORMATION: forward primer containing T7 promotoe and FLAG octapeptide
desig
205 ned to incorporate these sequences into amplification products
206 <400> SEQUENCE: 11
207 ggaatccta atagggagaa gggccaccat ggactacaaa gacgatgacg 60
213 <210> SEQ ID NO: 12
214 <211> LENGTH: 60
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216 <213> ORGANISM: Artificial Sequence

218 <220> FEATURE:

219 <223> OTHER INFORMATION: complimentary sequence to SEQ ID 11 containing cohesive end

to en

220 enhance directional ligation to a gene for amplification

222 <220> FEATURE:

223 <221> NAME/KEY: promoter

224 <222> LOCATION: (1)..(60)

225 <223> OTHER INFORMATION: complimentary sequence to SEQ ID 11 containing cohesive end

to en

226 enhance directional ligation to a gene for amplification

229 <400> SEQUENCE: 12

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233 <210> SEQ ID NO: 13

234 <211> LENGTH: 50

235 <212> TYPE: DNA

236 <213> ORGANISM: Artificial Sequence

238 <220> FEATURE:

239 <223> OTHER INFORMATION: complimentary sequence to SEQ ID 14 containing a cohesive

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240 enhance directional ligation to a gene for amplification

242 <220> FEATURE:

243 <221> NAME/KEY: primer_bind

244 <222> LOCATION: (1)..(50)

245 <223> OTHER INFORMATION: complimentary sequence to SEQ ID 14 containing a cohesive

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246 enhance directional ligation to a gene for amplification

249 <400> SEQUENCE: 13

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254 <211> LENGTH: 46

255 <212> TYPE: DNA

256 <213> ORGANISM: Artificial Sequence

258 <220> FEATURE:

259 <223> OTHER INFORMATION: reverse primer containing a stop codon designed to

incorporate th

260 ese sequences into PCR amplification products

262 <220> FEATURE:

263 <221> NAME/KEY: primer_bind

264 <222> LOCATION: (1)..(46)

265 <223> OTHER INFORMATION: reverse primer containing a stop codon designed to

incorporate th

266 ese sequences into PCR amplification products

269 <400> SEQUENCE: 14

270 aacttttgat tggatgcag tacacgggtg gtcggaacag gattat 46

VERIFICATION SUMMARY

DATE: 04/08/2002

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TIME: 15:15:40

Input Set : A:\PTO.VSK.txt

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L:17 M:271 C: Current Filing Date differs. Replaced Current Filing Date